

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 04/15/2006

DSR Number: 103-05-216K Project Number: _____

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 2e
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: St. Tammany Parish

Address: P.O. Box 628

City/State/Zip: Covington, LA 70434-0628

Telephone Number: (985) 898-2552

Fax: (985) 898-5205

Section 1C Site Location Information

County: St. Tammany

State: LA

Congressional District: 01

Latitude: See Comments

Longitude: _____

Section: 21 & 28 Township: 8S Range: 13E

UTM Coordinates: Zone 16

Drainage Name: Big Branch Bayou Lateral

Reach: 2625 lf.

Damage Description: Debris is impacting the capacity and drainage of the channel. Debris is mostly trees.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: Begin: N 30.3264 W 89.9067
End : N 30.328510 W 89.896940

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the objectives, maximizes environmental benefits, and is socially acceptable. Using conventional methods, remove debris from the channel and 30 ft. from each side of top bank. Use South side of channel for access and dispose on debris off site.

Total installation cost identified in this DSR: Section 3: \$ _____

Section 1F NRCS State Office Review and Approval

Reviewed By: _____

State EWP Program Manager

Date Reviewed: 9/12/06

Approved By: _____

State Conservationist

Date Approved: 9/12/06

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Remove debris from channel using only one side for access.	Leave debris in channel	Removal debris from channel using both sides for access.
		2D Effects of Alternatives		
Soil				
Soil Erosion	Disturbed soil from tree falls/uprooting = 20T/ac	Removal of debris will allow reveg and reduce loss to 5T/ac	Continued erosion from disturbed area = 20T/ac	Removal of debris will allow reveg and reduce loss to 10T/ac
Soil Quality	Soil quality reduced	Soil quality improved	Soil quality reduced	Soil quality improved
Water				
Downstream water rights				
DO	Lower DO from decreased water flow	Debris removal will restore flow and increase DO	Lower DO from decreased water flow	Debris removal will restore flow and increase DO
BOD	Debris decomposition increases BOD	Debris removal will ultimately result in lower BOD	Debris decomposition increases BOD	Debris removal will ultimately result in lower BOD
Overall Stream Health	channel has been severely manipulated - SVAP = 2.0	SVAP = 2.0 - no real improvement w/ debris removal	channel has been severely manipulated - SVAP = 2.0	SVAP = 2.0 - no real improvement w/ debris removal
Air				
Particulates/dust	No effect	Temporary increase during debris removal activities	No effect	Temporary increase during debris removal activities
Plant				
Aquatic community	Most aquatics were invasives - no effect	No effect	No effect	No effect
Riparian community	Some disturbance to existing riparian community	Short term impacts to riparian veg due to access work	Some disturbance to existing riparian community	Short term impacts to riparian veg due to access work
Animal				
Aquatic habitat	Impaired water quality impairing aquatic habitat	Improved water quality will benefit aquatic habitat	Impaired water quality impairing aquatic habitat	Improved water quality will benefit aquatic habitat
Upland Habitat	Some damage due to loss of vegetation	Short term impacts due to access work	Some damage due to loss of vegetation	Short term impacts due to access work
Other				
Aesthetics	Poor due to debris	Improved w/ debris removal	Poor due to debris	Improved w/ debris removal
Vectors	Potential increased vector habitat w/ blocked flow	Decrease pot vector habitat	Potential increased vector habitat w/ blocked flow	Decrease pot vector habitat

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA Jurisdiction - No 404 permit needed if debris left in channel	CWA jurisdiction - 404 permit required	CWA Jurisdiction - No 404 permit needed if debris left in channel	CWA jurisdiction - 404 permit required
Coastal Zone Management Areas	Within the Coastal Zone	Consistency authorization required	Within the Coastal Zone	Consistency authorization required
Coral Reefs	Not applicable	Not applicable	Not applicable	Not applicable
Cultural Resources	None observed on-site. Cross reference with state leader	None observed on-site. Cross reference with state leader	None observed on-site. Cross reference with state leader	None observed on-site. Cross reference with state leader
Endangered and Threatened Species	None observed on-site. 8 species known for parish - habitat on site unlikely	None observed on-site. 8 species known for parish - habitat on site unlikely	None observed on-site. 8 species known for parish - habitat on site unlikely	None observed on-site. 8 species known for parish - habitat on site unlikely
Environmental Justice	Not applicable	Not applicable	Not applicable	Not applicable
Essential Fish Habitat	Not applicable	Not applicable	Not applicable	Not applicable
Fish and Wildlife Coordination	State level review by project type with USFWS & LDWF- Consultation not required for debris removal	State level review by project type with USFWS & LDWF- Consultation not required for debris removal	State level review by project type with USFWS & LDWF- Consultation not required for debris removal	State level review by project type with USFWS & LDWF- Consultation not required for debris removal
Floodplain Management	Portions in 100 year floodplain - potential impairment of function	Portions in 100yr floodplain - restore function to pre-storm level	Portions in 100 year floodplain - potential impairment of function	Portions in 100yr floodplain - restore function to pre-storm level
Invasive Species	Alligator weed, chinese tallow tree, privet, japanese climbing fern and bamboo noted on site	Access work could result in increased colonization of invasive plants in area	Alligator weed, chinese tallow tree, privet, japanese climbing fern and bamboo noted on site	Access work could result in increased colonization of invasive plants in area
Migratory Birds	Habitat impacts due to loss of trees - heard woodpecker	Short term impacts to habitat caused by loss of riparian veg due to access work	Habitat impacts due to loss of trees	Short term impacts to habitat caused by loss of riparian veg due to access work
Natural Areas	Not applicable	Not applicable	Not applicable	Not applicable
Prime and Unique Farmlands	Not applicable	Not applicable	Not applicable	Not applicable
Riparian Areas	Riparian area impacted by debris accumulation and altered hydrology	Long term improvement but short term impacts due to access work	Riparian area impacted by debris accumulation and altered hydrology	Long term improvement but short term impacts due to access work
Scenic Beauty	Not applicable	Not applicable	Not applicable	Not applicable
Wetlands	Some wetlands in area but none directly adjacent to channel	Some wetlands in area but none directly adjacent to channel	Some wetlands in area but none directly adjacent to channel	Some wetlands in area but none directly adjacent to channel
Wild and Scenic Rivers	Not applicable	Not applicable	Not applicable	Not applicable

Completed By: Beth SchreierDate: 04/15/2006

DSR NO: 103-05-216K

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
1 house @ \$100,000	100,000.00	25	25,000.00
1 house @ \$150,000	150,000.00	25	37,500.00
2 houses @ 200,000	400,000.00	25	100,000.00
2 houses @ \$250,000	500,000.00	25	125,000.00
2 houses @ \$350,000	700,000.00	25	175,000.00
2 houses @ \$350,000	500,000.00	25	125,000.00
1 house @ \$500,000			
Properties Protected (Public)			
Business Losses			
Other			
3-(24" x 30') Concrete Culverts @ \$7,000	21,000.00	25	5,250.00
1-(36" x 30') Concrete Culvert @ \$9,000	9000	25	2,250.00
2-(24" x 20) CMP @ \$3,000	6,000.00	25	1,500.00
Total Near Term Damage Reduction \$			596,500.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			

Completed By: Mandy York

Date: 04/15/2006

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No, but several deaths in the parish have been attributed to post-storm cleanup activities.
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has access to a hospital or medical facility been impaired by watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There is the potential loss of medical access to residents on Graci Ave. and West Ave. if stream crossing fails.
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Completed By: Mandy York Date: 04/15/2006

DSR NO: _____
103-05-216K

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	7
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	6
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	10
White Male Hispanic	
White Male Non-Hispanic	9
Total Group	32

Census tract(s) St. Tammany Parish US Census Fact Finder

Completed By: Mandy York Date: 04/15/2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Access permission required - St. Tammany parish government
CWA-Section 404 permit required - US Army Corps of Engineers, New Orleans District
Water Quality Certification needed - LDEQ
Consistency Authorization required - LDNR-CMD

Mitigation Description:

Work from one side of channel (preferably south side) to limit impacts to riparian vegetation. Debris can be disposed of on site in areas not adjacent to houses or off-site in areas within close proximity to houses. Dispose of debris far enough away from channel to prevent re-introduction. Exposed soil areas will be seeded with seed mix appropriate to site conditions as soon as feasible after work is completed to lessen chance for invasive plant species colonization.

Work will be done on consecutive days to minimize impacts to local wildlife.

Agencies, persons, and references consulted, or to be consulted:

St. Tammany parish government
US Army Corps of Engineers
LDEQ
LDWF
LDNR-CMD

DSR NO: 103-05-216K

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2. Is this a site where there is serious, but not immediate threat to human life?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		2 e
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
a. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 103-05-216K

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the restoration objectives, maximizes environmental benefits, and is socially acceptable. Using conventional methods, remove debris from the channel and 30 ft. from each side of top bank. Use South side of channel for access and dispose on debris off site.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

☐ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: Dist. Cons.

Date: 5-24-06

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Title: GM. Speltz

Date: 5-16-06

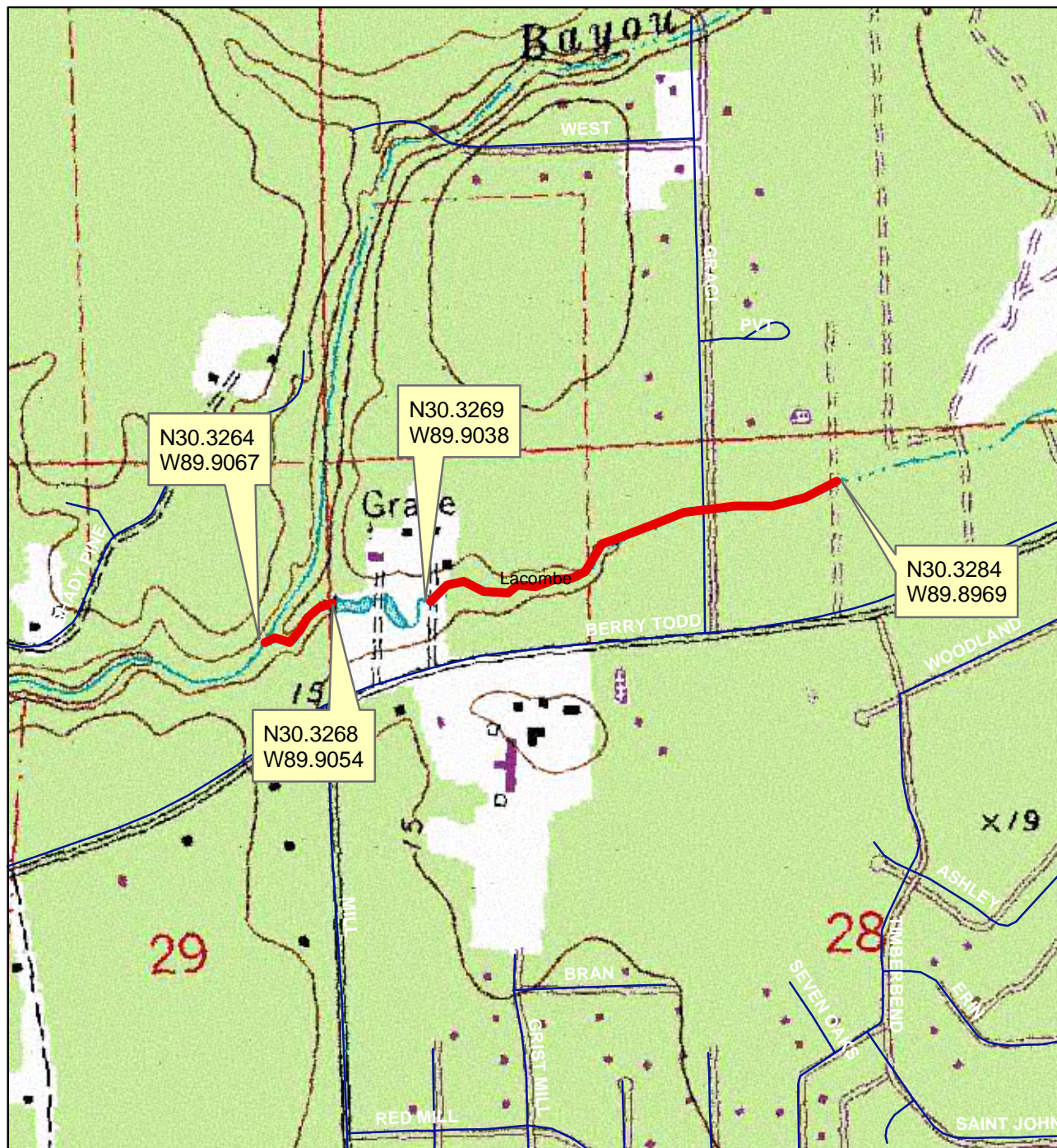
Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

TOPO MAP OF LATERAL OF BIG BRANCH

DSR 103-05-216K

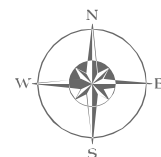
ST. TAMMANY PARISH



Legend

— Lateral of Big Branch

Topo Quad Lacombe
Sections: 21, 28
Township 8S
Range 13E



0 700 1,400 2,800 Feet